
 Substitute Form PTO-1449
 (Modified)

 U.S. Department of Commerce
 Patent and Trademark Office

 Attorney's Docket No.
 16459-007001

 Application No.
 10/724,004

**Information Disclosure Statement
 by Applicant**

(Use several sheets if necessary)

(37 CFR 1.98(b))

 Applicant
 Alexei A. Erchak

 Filing Date
 November 26, 2003

 Group Art Unit
 2826

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
SW	AA	5,633,527	05/27/1997	Lear	257	432	02/06/95
SW	AB	5,363,009	11/8/1994	Monto	313	110	08/10/92
SW	AC	5,073,041	12/17/1991	Rastani	385	33	11/13/90
SW	AD	5,426,657	06/20/1995	Vakhsoori	372	45	05/27/94
	AE						
	AF						
	AG						
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	AO						
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	AQ						
	AR						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AS							
	AT							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AU	

Examiner Signature

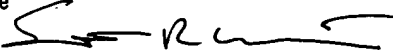
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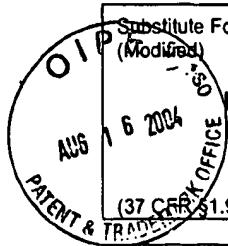
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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Alexei A. Erchak	
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(37 CFR §1.98(b))			

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
SW	AT	M. Krames et al "Introduction to the Issue on High-Efficiency Light-Emitting Diodes", IEEE Journal on selected topic in quantum electronics, Vol. 8, No. 2 March/April 2002, pages 185-188
SW	AU	K. Streubel et al.. "High Brightness AlGaInP Light-Emitting Diodes", IEEE Journal on selected topic in quantum electronics, Vol. 8, No. 2, March/April 2002, pages 321-332
SW	AV	M. Okai et al. "Novel method to fabricate corrugation for a $\lambda/4$ -shifted distributed feedback laser using a grating photomask", Appl. Phys. Lett. 55(5), July 31, 1989, pages 415-417
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SW	AY	M. Zelsmann et al. "Seventy-fold enhancement of light extraction from a defectless photonic crystal made on silicon-on-insulator", Appl. Phys. Lett. 83 (13), September 29, 2003, pages 2542-2544
SW	AZ	M. Rattier et al. "Omnidirectional and compact guided light extraction from Archimedean photonic lattices", Appl. Phys. Lett. 83 (7), August 18, 2003, pages 1283-1285
SW	AAA	Y.-J. Lee et al. "A high-extraction-efficiency nanopatterned organic light-emitting diode", Appl. Phys. Lett. 82(21), May 26, 2003, pages 3779-3781
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SW	ACC	M. Boroditsky et al. "Light extraction from optically pumped light-emitting diode by thin-slab photonic crystals", Appl. Phys. Lett. 75 (8), August 23, 1999, pages 1036-1038
SW	ADD	L. Chen et al. "Fabrication of 50-100 nm Patterned InGaN Blue Light Emitting Heterostructures", Phys. Stat. Sol. (a), 188 (1), 2001, pages 135-138.
SW	AEE	I. Bulu et al. "Highly directive radiation from sources embedded inside photonic crystals", Appl. Phys. Lett. 83 (16), October 20, 2003, pages 3263-3265
SW	AFF	T. N. Oder et al. "III-nitride photonic crystals", Appl. Phys. Lett. 83 (6), August 11, 2003, pages 1231-1233
SW	AGG	M.K. Kelly et al. "Optical patterning of GaN films", Appl. Phys. Lett 68 (12), September 16, 1996, pages 1749-1751

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U.S. Patent Documents

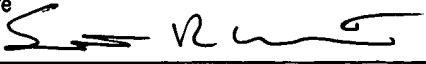
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
Sum	AA	5,359,345	10/25/94	Hunter et al.	345	102	
	AB	5,631,190	05/20/97	Negley et al.	438	33	
	AC	5,724,062	03/03/98	Hunter et al.	345	102	
	AD	5,799,924	07/14/98	Krames et al.	248	636	
	AE	5,955,749	09/21/99	Joannopoulos et al.	257	98	
	AF	6,071,795	06/06/00	Cheung et al.	438	458	
	AG	6,420,242	07/16/02	Cheung et al.	438	458	
	AH	6,559,075	05/06/03	Kelly et al.	438	755	
	AI	6,410,942	06/25/02	Thibeault et al.	257	88	
	AJ	6,657,236	12/02/03	Thibeault et al.	257	98	
Sum	AK	2003/0141507	07/31/03	Krames et al.	257	79	10/05/588

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							Yes	No
Sum	AL	WO 98/14986	04/09/98	PCT				
	AM							

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Examiner Initial	Desig. ID	Document
Sum	AN	W.S. Wong et al. "Damage-free separation of GaN thin films from sapphire substrates", Appl. Phys. Lett. 72 (5), February 2, 1998, pages 599-601
Sum	AO	M.K. Kelly et al. "Optical process for liftoff of Group III-nitride films", Physica Status Solidi; Rapid Research Note, November 28, 1996, 2 pages.
Sum	AP	A. A. Erchak et al. "Enhanced coupling to vertical radiation using a two-dimensional photonic crystal in a semiconductor light-emitting diode", Appl. Phys. Lett. (78 (5), January 29, 2001, pages 563-565
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Sum	AR	P.L. Gourley et al. "Optical Bloch waves in a semiconductor photonic lattice", Appl. Phys. Lett. 60 (22), June 1, 1992, pages 2714-2716
Sum	AS	J.R. Wendt et al. "Nanofabrication of photonic lattice structures in GaAs/AlGaAs", J. Vac. Sci. Technol. B 11(6), November/December 1993, pages 2637-2640

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